

Customer No.: 31561
Docket No.: 10026-US-PA-0C
Application No.: 10/711,664

AMENDMENTS

In the specification

[0027] Referring to FIG. 1 again, far-ultra-infrared ceramic may also be added into the polymer films 100 for absorbing the electromagnetic wave and transferring it into a far ultra-infrared radiation. Preferably, the permeability films 104 include, for example but not limited to, a metal film, and a thickness of the metal film is in a range of 10 μm to 100 μm , in which the metal film may be composed of an alloy film or a stacking layer composed of at least one layer of the group consisted of aluminum layer, nickel layer, iron layer, copper layer or cobalt layer.

When the permeability films 104 is composed of an alloy film, materials of the alloy may be at least one of the group consisted of aluminum, nickel, iron, copper, cobalt, and a trace of manganese may be added into the alloy film.

[0029] Referring to FIG. 2, providing a polymer solution in the step 200, adding a carbon group compound structure into the polymer solution in the step 202. Then forming a plurality of polymer films by using the polymer solution in the step 204. Thereafter, forming a plurality of permeability films on each surface of the polymer films in the step 206. Here, a method of forming a plurality of permeability films includes, but not limited to, a vacuum sputtering or an electroplating method. Proceeding a depositing process on each surface of the polymer films for several times in order to form a multilayer metal film may also be used as permeability films. Finally, stacking the polymer films in the step 208 by a gluing or heat pressing method.

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Moreover, the step 202 may further includes a step of adding an far-ultra- infrared ceramic into the polymer film solution.

[0036] Referring to FIG. 5, providing a main body having a cover in the step 500. Then forming a polymer film on an inner side of the cover in the step 504, in which the polymer films comprising a carbon group compound structure, and an far ultra-infrared ceramic may be added into the polymer before the polymer films are formed in order to transfer electromagnetic wave into far ultra-infrared radiation. Therefore, forming a permeability film on a surface of the polymer film in the step 504, in which a method of forming the permeability films includes, but not limited to, a vacuum sputtering or an electroplating method for forming an alloy layer on the surface of the polymer film. Proceeding a depositing process on each surface of the polymer films for several times to form a multilayer metal film may also be used as permeability films. Finally repeating the steps 502 and 504 to form an anti-electromagnetic wave device using the multilayer film structure.